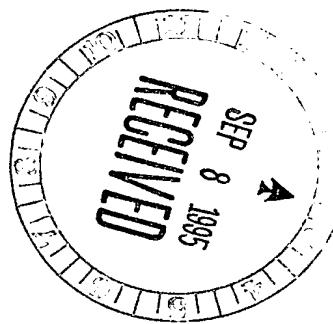




Patent
Attorney's Docket No. 028723-063

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Rolf J. MEHLHORN) Group Art Unit: Unassigned
Application No.: 08/472,843) Examiner: Unassigned
Filed: June 7, 1995)
For: METHOD FOR LOADING LIPID LIKE)
VESICLES WITH DRUGS OR OTHER)
CHEMICALS .)



**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of an IDS is required.
- The fee of \$210.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- A certification under 37 C.F.R. § 1.97(e), a petition requesting consideration of the information disclosure statement, and the petition fee of \$130.00 as set forth in 37 C.F.R. § 1.17(i) are also enclosed.
- Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of \$_____ is enclosed for the fee due.

Information Disclosure Statement Transmittal Letter
Application Serial No. 08/472,843
Attorney's Docket No. 028723-063
Page 2

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R.
§§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to
Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

By: 

Donna M. Meuth
Registration No. 36,607

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: September 7, 1995



Patent
Attorney's Docket No. 028723-063

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Rolf J. MEHLHORN)
Application No.: 08/472,843) Group Art Unit: Unassigned
Filed: June 7, 1995) Examiner: Unassigned
For: METHOD FOR LOADING)
LIPID LIKE VESICLES WITH)
DRUGS OR OTHER CHEMICALS)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Copies of the two references marked with an asterisk (*) are provided herewith. Pursuant to 37 C.F.R. § 1.98, a copy of each of the other documents cited was cited by the Examiner or submitted by Applicant in Application No. 07/741,305 upon which is based a claim for priority under 35 U.S.C. § 120.

U.S. PATENTS

5,192,549	4,310,505
4,427,649	4,241,046
4,411,894	4,053,585
4,397,846	3,804,776

FOREIGN PATENTS

86/01102	PCT
0088046	European

OTHER DOCUMENTS

Balley et al, "Uptake of Safranine and Other Lipophilic Cations into Model Membrane Systems in Response to a Membrane Potential", *Biochimica et Biophysica Acta*, 812:66-76 (1985).

*Cramer et al, "NMR Studies of pH-Induced Transport of Carboxylic Acids Across Phospholipid Vesicle Membranes", *Biochemical and Biophysical Research Communications*, 75(2):295-301 (1977).

Deamer et al, "The Response of Fluorescent Amines to pH Gradients Across Liposomes Membranes", *Biochimica et Biophysica Acta*, 274:323-335 (1972).

*Fendler, "Optimizing Drug Entrapment in Liposomes, Chemical and Biophysical Considerations", *Liposomes in Biological Systems*, 87-100 (1980).

Mayer et al, "Techniques for Encapsulating Bioactive Agents into Liposomes", *Chemistry and Physics of Lipids*, 40:333-345 (1986).

Mayer et al, "Uptake of Antineoplastic Agents into Large Unilamellar Vesicles in Response to a Membrane Potential", *Biochimica et Biophysica Acta*, 816:294-302 (1985).

Mehlhorn et al, "Light-induced pH Gradients Measured with Spin-Labeled Amine and Carboxylic Acid Probes: Application to *Halobacterium halobium* Cell Envelope Vesicles", 88:334-344 (1982).

Miyamoto et al, "Preparation and Characteristics of Lipid Vesicles", *J. Membrane Biol.*, 4:252-269 (1971).

Nichols et al, "Catecholamine Uptake and Concentration by Liposomes Maintaining pH Gradients", *Biochimica et Biophysica Acta*, 455:269-271 (1976).

Reinhold et al, "Membrane Transport of Sugars and Amino Acids", *Ann. Rev. Plant Physiol.*, 35:45-83 (1984).

Rottenberg, "The Measurement of Membrane Potential and ΔpH in Cells, Organelles, and Vesicles", *Methods in Enzymology*, 4:547-569 (1979).

Archives of Biochemistry and Biophysics, "Light-Induced Proton Gradients and Internal Volumes in Chromatophores of *Rhodopseudomonas sphaeroides*", 235(1):97-105 (1984).

Information Disclosure Statement
Application Serial No. 08/472,843
Attorney's Docket No. 028723-063
Page 3

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialled copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

By: _____


Donna M. Meuth
Registration No. 36,607

P.O. Box 1404
Alexandria, VA 22313-1404
Phone: (703) 836-6620

Date: September 7, 1995